

RAB21 Human

Description:RAB21 Human Recombinant fused with a 37 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 242 amino acids (18-222 a.a.) and having a molecular mass of 27.1kDa. The RAB21 is purified by proprietary chromatographic techniques.

Catalog #:PRPS-108

For research use only.

Synonyms:Ras-related protein Rab-21, RAB21, KIAA0118.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMYSF
KVVLLGEGCV GKTSLVLRVC ENKFNDKHIT TLQASFLTKK LNIGGKRVNL AIWDTAGQER
FHALGPIYYR DSNAILVYD ITDEDSFQKV KNWVKELRKM LGNEICLCIV GNKIDLEKER
HVSIQEAESY AESVGAKHYH TSAKQNKGIE ELFLDLCKRM IETAQVDERA KGNQSSQPGT
ARRGVQIIDD EP

Purity:Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The RAB21 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 2mM DTT, 200mM NaCl and 1mM PMSF.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Ras-related protein Rab-21 (RAB21) belongs to the Ras superfamily of small GTP-binding proteins. Rab21 is an integrin-associated protein and a positive regulator of integrin traffic. Rab21 associates with the cytoplasmic domains of alpha-integrin chains and their expression influences the endo/exocytic traffic of integrins. This function of Rab21 depends on its GTP/GDP cycle and right membrane targeting.

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